

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): M. FUTAMOTO, et al

Serial No.: Not yet assigned

Filed: September 22, 2003

For: PERPENDICULAR MAGNETIC RECORDING MEDIA, MAGNETIC  
RECORDING APPARATUS

Group: 1773

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97 & 1.98**

**MS DD**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

September 22, 2003

Sir:

In the matter of the above-identified application, this Information Disclosure Statement is being submitted with the following citation as specified in 37 CFR §1.97(d).


"A copy of any patent, publication or other information listed in an Information Disclosure Statement is not required to be provided if it was previously cited by or submitted to the Office in a prior application, provided that the prior application is properly identified in the statement and relied upon for an earlier filing date under 35 U.S.C. §120."

Applicant(s) are submitting herewith a copy of Form PTO-1449 which list documents cited in parent application(s) Serial No. 09/717,213, filed November 22, 2000.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus Deposit Account No. 01-2135 (1021.39339VX1) please credit any excess fees to such deposit account.

Respectfully submitted,

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**FORM PTO-1449** U.S. Department of  
Commerce (Rev. 4/92) Patent and Trademark  
Office

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

**1021.39339VX1**

SERIAL NO.

**Not yet assigned**

APPLICANT

**FUTAMOTO, et al**

FILING DATE

**September 22, 2003**

GROUP

**1773**

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING D. IF APPROP
2 0 0 2	0 0 2 8 3 5 7	3/02	Shukh et al	428	694TM	
	4 6 8 7 7 1 2	8/87	Sugita et al	428	611	
	5 2 2 6 9 6 6	7/93	Mallary et al	118	623	

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT YES
1 0 2 2 8 6 2 0	8/98	Japan			
6 0 1 4 0 5 2 5	7/85	Japan			XX
1 2 2 7 2 1 6	9/89	Japan			XX
7 8 5 4 4 2	3/95	Japan			XX
6 1 0 3 5 5 0	4/94	Japan			

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	T. Nishihara et al, "High SN Ratio and Signal-Stability in Triple Layer Perpendicular Media, Central R&D Center, JVC, pp. 104-108.
	J. Desserre, "Crucial Points in Perpendicular Recording", IEEE Transactions on Magnetics, MAG-20, No. 5, September 1994, pp. 663-668.
	S. Iwasaki, "Perpendicular Magnetic Recording-Evolution and Future", IEEE Transactions on Magnetics, vol. MAG-20, No. 5, September 1994, pp. 657-662.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])